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August 15, 2006

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit To be assigned

Attn: Mail Stop Amendment

Re: U.S. Utility Patent Application
Appl. No. 10/529,221 (U.S. Nat'l Phase of PCT/US03/30238;
Int'l. Filing Date: September 26, 2003); § 371 Date: To be assigned
For: **Targeted CD1d Molecules**
Inventors: **ROBERT et al.**
Our Ref: 1843.0200001/EKS/FRC

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Information Disclosure Statement Filing Under 37 C.F.R. § 1.97(b);
2. Listing of the cited documents on Forms PTO/SB/08A and PTO/SB/08B (11 sheets);
3. A copy of eleven (11) cited documents on Form PTO/SB/08A;
4. A copy of eighty-one (81) cited documents on Form PTO/SB/08B;
5. First Supplemental Information Disclosure Statement Filing Under 37 C.F.R. § 1.97(b);
6. Listing of the cited documents on Forms PTO/SB/08A and PTO/SB/08B (2 sheets);
7. A copy of four (4) cited documents on Form PTO/SB/08A;
8. A copy of ten (10) cited documents on Form PTO/SB/08B; and
9. Return postcard.

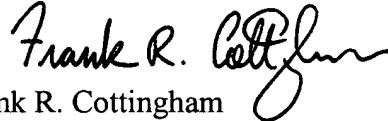
Commissioner for Patents
August 15, 2006
Page 2

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

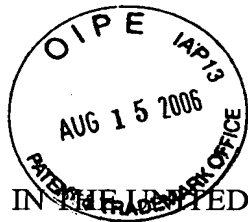
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A handwritten signature in black ink, appearing to read "Frank R. Cottingham", with a stylized flourish at the end.

Frank R. Cottingham
Attorney for Applicants
Registration No. 50,437

FRC/pcd
Enclosures

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

ROBERT *et al.*

Appl. No.: 10/529,221 (*U.S. Nat'l Phase
of PCT/US03/30238*)

I.A. Filed: September 26, 2003

For: **Targeted CD1d Molecules**

Confirmation No.: 2116

Art Unit: *To Be Assigned*

Examiner: *To Be Assigned*

Atty. Docket: 1843.0200001/EKS/FRC

**Information Disclosure Statement
Filing Under 37 C.F.R. § 1.97(b)**

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Forms PTO/SB/08A and PTO/SB/08B are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. Copies of documents **FP1-FP11** and **NPL1-NPL81** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), copies of U.S. patents, documents **US1-US3**, cited on the attached Form PTO/SB/08A are not submitted.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following discussion of the relevance of the non-English language document **FP6**, cited on Form PTO/SB/08A:

Document **FP6**, EP 0 352 761 B1, is in the German language. An English language abstract of document FP6 is attached as document **NPL26**.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

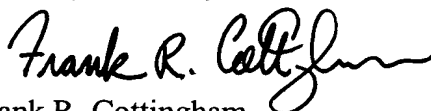
This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

It is respectfully requested that the Examiner initial and return copies of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

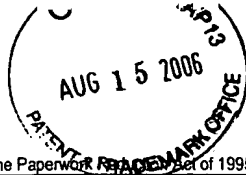
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Frank R. Cottingham
Attorney for Applicants
Registration No. 50,437

Date: AUG. 15, 2006

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| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/529,221 (<i>U.S. Nat'l Phase of PCT/US03/30238</i>) |
| | | | | I.A. Filing Date | September 26, 2003 |
| | | | | First Named Inventor | Bruno Robert |
| | | | | Art Unit | To Be Assigned |
| | | | | Examiner Name | To Be Assigned |
| Sheet | 1 | of | 2 | Attorney Docket Number 1843.0200001/EKS/FRC | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if Known) | | | |
| | US1 | 5,194,425 | 03/16/1993 | Sharma <i>et al.</i> | |
| | US2 | 5,635,363 | 06/03/1997 | Altman <i>et al.</i> | |
| | US3 | 6,015,884 | 01/18/2000 | Schneck <i>et al.</i> | |
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| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | FP1 | AU-B-39005/89 | 02/01/1990 | Behringwerke Aktiengesellschaft | | |
| | FP2 | WO 93/10220 A1 | 05/27/1993 | Anergen, Inc. | | |
| | FP3 | WO 96/26962 A1 | 09/06/1996 | The Board of Trustees of the Leland Stanford Junior University | | |
| | FP4 | WO 97/35991 A1 | 10/02/1997 | The Johns Hopkins University, Schneck, and O'herrin | | |
| | FP5 | WO 98/07441 A1 | 02/26/1998 | Massachusetts Institute of Technology | | |

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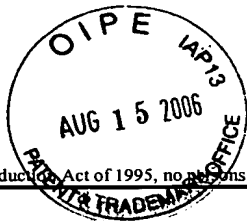
| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | FP6 | EP 0 352 761 B1 | 10/04/1995 | Behringwerke Aktiengesellschaft | | |
| | FP7 | WO 99/11775 A1 | 03/11/1999 | President and Fellows of Harvard College, Walker, and Garboczi | | |
| | FP8 | WO 99/13095 A1 | 03/18/1999 | The Johns Hopkins University School of Medicine | | |
| | FP9 | WO 99/21572 A1 | 05/06/1999 | Sunol Molecular Corporation | | |
| | FP10 | WO 99/64464 A2 | 12/16/1999 | Savage | | |
| | FP11 | WO 00/00156 A2 | 01/06/2000 | Trustees of Dartmouth College | | |

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| | | | | Application Number | 10/529,221 (U.S. Nat'l Phase of PCT/US03/30238) |
| | | | | I.A. Filing Date | September 26, 2003 |
| | | | | First Named Inventor | Bruno Robert |
| | | | | Art Unit | To Be Assigned |
| | | | | Examiner Name | To Be Assigned |
| Sheet | 1 | of | 9 | Attorney Docket Number | 1843.0200001/EKS/FRC |

| NON PATENT LITERATURE DOCUMENTS | | | | | |
|---------------------------------|-----------------------|--|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published | | | T ² |
| | NPL1 | Abastado, J.-P., <i>et al.</i> , "Dimerization of Soluble Major Histocompatibility Complex-Peptide Complexes Is Sufficient for Activation of T Cell Hybridoma and Induction of Unresponsiveness," <i>J. Exp. Med.</i> 182:439-447, The Rockefeller University Press (1995) | | | |
| | NPL2 | Abdel-Wahab, Z., <i>et al.</i> , "Human Dendritic Cells, Pulsed with either Melanoma Tumor Cell Lysates or the gp100 Peptide ₍₂₈₀₋₂₈₈₎ , Induce Pairs of T-Cell Cultures with Similar Phenotype and Lytic Activity," <i>Cell. Immunol.</i> 186:63-74, Academic Press (1998) | | | |
| | NPL3 | Alexander, J., <i>et al.</i> , "Recognition of a Novel Naturally Processed, A2 Restricted, HCV-NS4 Epitope Triggers IFN-gamma Release in Absence of Detectable Cytopathicity," <i>Hum. Immunol.</i> 59:776-782, Elsevier Science, Inc. (1998) | | | |
| | NPL4 | Alexander, M., <i>et al.</i> , "Generation of tumor-specific cytolytic T lymphocytes from peripheral blood of cervical cancer patients by in vitro stimulation with a synthetic human papillomavirus type 16 E7 epitope," <i>Am. J. Obstet. Gynecol.</i> 175:1586-1593, Mosby-Year Book, Inc. (1996) | | | |
| | NPL5 | Altman, J.D., <i>et al.</i> , "Phenotypic Analysis of Antigen-Specific T Lymphocytes," <i>Science</i> 274:94-96, American Association for the Advancement of Science (1996) | | | |
| | NPL6 | Battegay, M., <i>et al.</i> , "Patients with Chronic Hepatitis C Have Circulating Cytotoxic T Cells Which Recognize Hepatitis C Virus-Encoded Peptides Binding to HLA-A2.1 Molecules," <i>J. Virol.</i> 69:2462-2470, American Society for Microbiology (1995) | | | |
| | NPL7 | Bedzyk, W.D., <i>et al.</i> , "Immunological and Structural Characterization of a High Affinity Anti-fluorescein Single-chain Antibody," <i>J. Biol. Chem.</i> 265:18615-18620, The American Society for Biochemistry and Molecular Biology, Inc. (1990) | | | |
| | NPL8 | Bertoletti, A., <i>et al.</i> , "Molecular Features of the Hepatitis B Virus Nucleocapsid T-Cell Epitope 18-27: Interaction with HLA and T-Cell Receptor," <i>Hepatology</i> 26:1027-1034, American Association for the Study of Liver Diseases (1997) | | | |
| | NPL9 | Bocchia, M., <i>et al.</i> , "Specific Binding of Leukemia Oncogene Fusion Protein Peptides to HLA Class I Molecules," <i>Blood</i> 85:2680-2684, The American Society of Hematology (1995) | | | |
| | NPL10 | Bocchia, M., <i>et al.</i> , "Specific Human Cellular Immunity to bcr-abl Oncogene-Derived Peptides," <i>Blood</i> 87:3587-3592, The American Society of Hematology (1996) | | | |

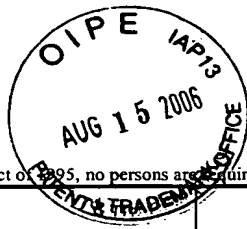
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| | | | | Application Number | 10/529,221 (U.S. Nat'l Phase of PCT/US03/30238) |
| | | | | I.A. Filing Date | September 26, 2003 |
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| Examiner Name | To Be Assigned | | | | |
| Sheet | 2 | of | 9 | Attorney Docket Number | 1843.0200001/EKS/FRC |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published | T ² |
| | NPL11 | Boitel, B., <i>et al.</i> , "Strong Similarities in Antigen Fine Specificity Among DRB1*1302-Restricted Tetanus Toxin tt830-843-Specific TCRs in Spite of Highly Heterogenous CDR3," <i>J. Immunol.</i> 154:3245-3255, The American Association of Immunologists (1995) | |
| | NPL12 | Boniface, J.J., <i>et al.</i> , "Initiation of Signal Transduction through the T Cell Receptor Requires the Peptide Multivalent Engagement of MHC Ligands," <i>Immunity</i> 9:459-466, Cell Press (1998) | |
| | NPL13 | Brinckerhoff, L.H., <i>et al.</i> , "Terminal Modifications Inhibit Proteolytic Degradation of an Immunogenic Mart-127-35 Peptide: Implications for Peptide Vaccines," <i>Int. J. Cancer</i> 83:326-334, Wiley-Liss, Inc. (1999) | |
| | NPL14 | Brusic, V., <i>et al.</i> , "Prediction of MHC class II-binding peptides using an evolutionary algorithm and artificial neural network," <i>Bioinformatics</i> 14:121-130, Oxford University Press (1998) | |
| | NPL15 | Burrows, G.G., <i>et al.</i> , "Two-Domain MHC Class II Molecules Form Stable Complexes with Myelin Basic Protein 69-89 Peptide That Detect and Inhibit Rat Encephalitogenic T Cells and Treat Experimental Autoimmune Encephalomyelitis," <i>J. Immunol.</i> 161:5987-5996, The American Association of Immunologists (1988) | |
| | NPL16 | Casares, S., <i>et al.</i> , "Antigen-specific Signaling by a Soluble, Dimeric Peptide/Major Histocompatibility Complex Class II/Fc Chimera Leading to T Helper Cell Type 2 Differentiation," <i>J. Exp. Med.</i> 190:543-553, The Rockefeller University Press (1999) | |
| | NPL17 | Castelli, C., <i>et al.</i> , "Novel HLA-Cw8-Restricted T Cell Epitopes Derived from Tyrosinase-Related Protein-2 and gp100 Melanoma Antigens," <i>J. Immunol.</i> 162:1739-1748, The American Association of Immunologists (1999) | |
| | NPL18 | Celis, E., <i>et al.</i> , "Identification of Potential CTL Epitopes of Tumor-Associated Antigen Mage-1 for Five Common HLA-A Alleles," <i>Mol. Immunol.</i> 31:1423-1430, Elsevier Science, Ltd. (1994) | |
| | NPL19 | Chaux, P., <i>et al.</i> , "Identification of Mage-3 Epitopes Presented by HLA-DR Molecules to CD4 ⁺ T Lymphocytes," <i>J. Exp. Med.</i> 189:767-777, The Rockefeller University Press (1999) | |
| | NPL20 | Chikamatsu, K., <i>et al.</i> , "Generation of Anti-p53 Cytotoxic T Lymphocytes from Human Peripheral Blood Using Autologous Dendritic Cells," <i>Clin. Cancer Res.</i> 5:1281-1288, The American Association for Cancer Research (1999) | |

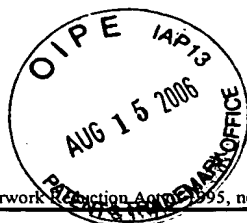
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| | | | | First Named Inventor | Bruno Robert |
| | | | | Art Unit | To Be Assigned |
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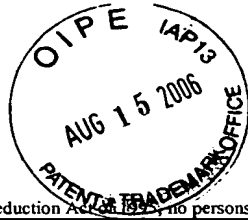
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| | NPL21 | Cochran, J.R., <i>et al.</i> , "The Relationship of MHC-Peptide Binding and T Cell Activation Probed Using Chemically Defined MHC Class II Oligomers," <i>Immunity</i> 12:241-250, Cell Press (2000) | |
| | NPL22 | Cormier, JN., <i>et al.</i> , "Heterogeneous Expression of Melanoma-Associated Antigens and HLA-A2 in Metastatic Melanoma <i>In Vivo</i> ," <i>Int. J. Cancer</i> 75:517-524, Wiley-Liss, Inc. (1998) | |
| | NPL23 | Dal Porto, J., <i>et al.</i> , "A soluble divalent class I major histocompatibility complex molecule inhibits alloreactive T cells at nanomolar concentrations," <i>Proc. Natl. Acad. Sci. USA</i> 90:6671-6675, The National Academy of Sciences (1993) | |
| | NPL24 | Daniel, S., <i>et al.</i> , "Relationship Between Peptide Selectivities of Human Transporters Associated with Antigen Processing and HLA Class I Molecules," <i>J. Immunol.</i> 161:617-624, The American Association of Immunologists (1998) | |
| | NPL25 | De Backer, O., <i>et al.</i> , "Characterization of the <i>GAGE</i> Genes That Are Expressed in Various Human Cancers and in Normal Testis," <i>Cancer Res.</i> 59:3157-3165, The American Association for Cancer Research (1999) | |
| | NPL26 | Dialog File 351, Accession No. 8144344, Derwent WPI English language abstract for EP 352 761 A2, cited on Form PTO/SB/08A as document FP6 | |
| | NPL27 | Diepolder, H.M., <i>et al.</i> , "Immunodominant CD4 ⁺ T-Cell Epitope within Nonstructural Protein 3 in Acute Hepatitis C Virus Infection," <i>J. Virol.</i> 71:6011-6019, American Society for Microbiology (1997) | |
| | NPL28 | Doolan, D.L., <i>et al.</i> , "Degenerate Cytotoxic T Cell Epitopes from <i>P. falciparum</i> Restricted by Multiple HLA-A and HLA-B Supertype Alleles," <i>Immunity</i> 7:97-112, Cell Press (1997) | |
| | NPL29 | Esser, S., <i>et al.</i> , "Vascular endothelial growth factor induces VE-cadherin tyrosine phosphorylation in endothelial cells," <i>J. Cell Sci.</i> 111:1853-1865, The Company of Biologists Limited (1998) | |
| | NPL30 | Fleischhauer, K., <i>et al.</i> , "Functional Heterogeneity of HLA-A*02 Subtypes Revealed by Presentation of a MAGE-3-Encoded Peptide to Cytotoxic T Cell Clones," <i>J. Immunol.</i> 159:2513-2521, The American Association of Immunologists (1997) | |

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| | NPL31 | Gotch, F., <i>et al.</i> , "Cytotoxic T lymphocytes recognize a fragment of influenza virus matrix protein in association with HLA-A2," <i>Nature</i> 32:881-882, Nature Publishing Group (1987) | |
| | NPL32 | Greten, T.F., <i>et al.</i> , "Direct visualization of antigen-specific T cells: HTLV-1 Tax11-19-specific CD8 ⁺ T Cells are activated in peripheral blood and accumulate in cerebrospinal fluid from HAM/TSP patients," <i>Proc. Natl. Acad. Sci. USA</i> 95:7568-7573, The National Academy of Sciences (1998) | |
| | NPL33 | Hamad, A.R.A., <i>et al.</i> , "Potent T Cell Activation with Dimeric Peptide-Major Histocompatibility Complex Class II Ligand: The Role of CD4 Coreceptor," <i>J. Exp. Med.</i> 188: 1633-1640, The Rockefeller University Press (1998) | |
| | NPL34 | Harbury, P.B., <i>et al.</i> , "A Switch Between Two-, Three-, and Four-Stranded Coiled Coils in GCN4 Leucine Zipper Mutants," <i>Science</i> 262:1401-1407, American Association for the Advancement of Science (1993) | |
| | NPL35 | Harvill, E.T., <i>et al.</i> , "In Vivo Properties of an IgG3-IL-2 Fusion Protein," <i>J. Immunol.</i> 157:3165-3170, The American Association of Immunologists (1996) | |
| | NPL36 | Heathcote, J., <i>et al.</i> , "A Pilot Study of the CY-1899 T-Cell Vaccine in Subjects Chronically Infected with Hepatitis B Virus," <i>Hepatology</i> 30:531-536, The American Association of the Study of Liver Diseases (1999) | |
| | NPL37 | Höllsberg, P., <i>et al.</i> , "Differential activation of proliferation and cytotoxicity in human T-cell lymphotropic virus type I Tax-specific CD8 T cells by an altered peptide ligand," <i>Proc. Natl. Acad. Sci. USA</i> 92:4036-4040, National Academy of Sciences (1995) | |
| | NPL38 | Kawashima, I., <i>et al.</i> , "Identification of GP100-Derived, Melanoma-Specific Cytotoxic T-Lymphocyte Epitopes Restricted By HLA-A3 Supertype Molecules By Primary <i>In Vitro</i> Immunization With Peptide-Pulsed Dendritic Cells," <i>Int. J. Cancer</i> 75:518-524, Wiley-Liss, Inc. (1998) | |
| | NPL39 | Kawashima, I., <i>et al.</i> , "Identification of HLA-A3-restricted Cytotoxic T Lymphocyte Epitopes from Carcinoembryonic Antigen and HER-2/ <i>neu</i> by Primary <i>in Vitro</i> Immunization with Peptide-pulsed Dendritic Cells," <i>Cancer Res.</i> 59:431-435, The American Association for Cancer Research (1999) | |
| | NPL40 | Kim, J., <i>et al.</i> , "Determinants of T Cell Reactivity to the <i>Mycobacterium leprae</i> GroES Homologue," <i>J. Immunol.</i> 159:335-343, The American Association of Immunologists (1997) | |

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| | NPL41 | Kono, K., <i>et al.</i> , "Identification of HER2/ <i>neu</i> -Derived Peptide Epitopes Recognized by Gastric Cancer-Specific Cytotoxic T Lymphocytes," <i>Int. J. Cancer</i> 78:202-208, Wiley-Liss, Inc. (1998) | |
| | NPL42 | Kundu, S.K., <i>et al.</i> , "Role of Preimmunization Virus Sequences in Cellular Immunity in HIV-Infected Patients during HIV Type 1 MN Recombinant gp 160 Immunization," <i>Aids Res. Hum. Retroviruses</i> 14:1669-1678, Mary Ann Liebert, Inc. (1998) | |
| | NPL43 | Lachman, L.B., <i>et al.</i> , "Cytokine-Containing Liposomes as Adjuvants for Subunit Vaccines," in <i>Vaccine Design: The Subunit and Adjuvant Approach</i> , Powell, M.F., and Newman, M.J., eds., Plenum Press, New York, NY, pp. 659-671 (1995) | |
| | NPL44 | Livingston, B.D., <i>et al.</i> , "The Hepatitis B Virus-Specific CTL Responses Induced in Humans by Lipopeptide Vaccination are Comparable to Those Elicited by Acute Viral Infection," <i>J. Immunol.</i> 159:1383-1392, The American Association of Immunologists (1997) | |
| | NPL45 | Manici, S., <i>et al.</i> , "Melanoma Cells Present a MAGE-3 Epitope to CD4 ⁺ Cytotoxic T Cells in Association with Histocompatibility Leukocyte Antigen DR11," <i>J. Exp. Med.</i> 189:871-876, The Rockefeller University Press (1999) | |
| | NPL46 | Morrison, S.L., <i>et al.</i> , "Production and Characterization of Genetically Engineered Antibody Molecules," <i>Clin. Chem.</i> 34:1668-1675, Journal of the American Association for Clinical Chemistry, Inc. (1988) | |
| | NPL47 | Nukaya, I., <i>et al.</i> , "Identification of HLA-A24 Epitope Peptides of Carcinoembryonic Antigen Which Induce Tumor-Reactive Cytotoxic Lymphocyte," <i>Int. J. Cancer</i> 80:92-97, Wiley-Liss, Inc. (1999) | |
| | NPL48 | Pack, P., <i>et al.</i> , "Tetavalent Miniantibodies with High Avidity Assembling in <i>Escherichia coli</i> ," <i>J. Mol. Biol.</i> 246:28-34, Academic Press Limited (1995) | |
| | NPL49 | Parham, P., <i>et al.</i> , "Carbohydrate Moiety of HLA Antigens," <i>J. Biol. Chem.</i> 252:7555-7567, The American Society of Biological Chemists, Inc. (1977) | |
| | NPL50 | Parkhurst, M.R., <i>et al.</i> , "Identification of a Shared <i>HLA-A*0201</i> -restricted T-Cell Epitope from the Melanoma Antigen Tyrosinase-related Protein 2 (TRP2)," <i>Cancer Res.</i> 58:4895-4901, The American Association for Cancer Research (1998) | |

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| | NPL51 | Peiper, M., <i>et al.</i> , "Pancreatic Cancer Associated Ascites-Derived CTL Recognize a Nine-Amino-Acid Peptide GP2 Derived from HER2/neu," <i>Anticancer Res.</i> 19:2471-2476, International Institute Anticancer Research (1999) | |
| | NPL52 | Penichet, M.L., <i>et al.</i> , "An Antibody-Avidin Fusion Protein Specific for the Transferrin Receptor Serves as a Delivery Vehicle for Effective Brain Targeting: Initial Applications in Anti-HIV Antisense Drug Delivery to the Brain," <i>J. Immunol.</i> 163:4421-4426, The American Association of Immunologists (1999) | |
| | NPL53 | Ramakrishna, V., <i>et al.</i> , "Generation and Phenotypic Characterization of New Human Ovarian Cancer Cell Lines with the Identification of Antigens Potentially Recognizable by HLA-Restricted Cytotoxic T Cells," <i>Int. J. Cancer</i> 73:143-150, Wiley-Liss, Inc. (1997) | |
| | NPL54 | Ressing, M.E., <i>et al.</i> , "Human CTL Epitopes Encoded by Human Papillomavirus Type 16 E6 and E7 Identified Through In Vivo and In Vitro Immunogenicity Studies of HLA-A*0201-Binding Peptides," <i>J. Immunol.</i> 154:5934-5943, The American Association of Immunologists (1995) | |
| | NPL55 | Rivoltini, L., <i>et al.</i> , "A Superagonist Variant of Peptide MART1/Melan A ₂₇₋₃₅ Elicits Anti-Melanoma CD8 ⁺ T Cells with Enhanced Functional Characteristics: Implication for More Effective Immunotherapy," <i>Cancer Res.</i> 59:301-306, The American Association for Cancer Research (1999) | |
| | NPL56 | Robert, B., <i>et al.</i> , "Antibody-conjugated MHC class I tetramers can target tumor cells for specific lysis by T lymphocytes," <i>Eur. J. Immunol.</i> 30:3165-3170, Wiley-VCH Verlag GmbH (2000) | |
| | NPL57 | Rongcun, Y., <i>et al.</i> , "Identification of New HER2/neu-Derived Peptide Epitopes That Can Elicit Specific CTL Against Autologous and Allogenic Carcinomas and Melanomas," <i>J. Immunol.</i> 163:1037-1044, The American Association of Immunologists (1999) | |
| | NPL58 | Rötzschke, O., <i>et al.</i> , "Conformational variants of class II MHC/peptide complexes induced by N- and C-terminal extensions of minimal peptide epitopes," <i>Proc. Natl. Acad. Sci. USA</i> 96:7445-7450, National Academy of Sciences (1999) | |
| | NPL59 | Rötzschke, O., <i>et al.</i> , "Superactivation of an immune response triggered by oligomerized T cell epitopes," <i>Proc. Natl. Acad. Sci. USA</i> 94:14642-14647, National Academy of Sciences (1997) | |
| | NPL60 | Salazar-Onfray, F., <i>et al.</i> , "Synthetic Peptides Derived from the Melanocyte-stimulating Hormone Receptor MC1R Can Stimulate HLA-A2-restricted Cytotoxic T Lymphocytes That Recognize Naturally Processed Peptides on Human Melanoma Cells," <i>Cancer Res.</i> 57:4348-4355, The American Association for Cancer Research (1997) | |

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| | NPL61 | Schmitt, L., <i>et al.</i> , "Catalysis of peptide dissociation from Class II MHC-peptide complexes," <i>Proc. Natl. Acad. Sci. USA</i> 96:6581-6586, The National Academy of Sciences (1999) | |
| | NPL62 | Schnell, S., <i>et al.</i> , "Retrovirally Transduced Mouse Dendritic Cells Require CD4 ⁺ T Cell Help to Elicit Antitumor Immunity: Implications for the Clinical Use of Dendritic Cells," <i>J. Immunol.</i> 164:1243-1250, The American Association of Immunologists (2000) | |
| | NPL63 | Shin, S.-U. and Morrison, S.L., "Production and Properties of Chimeric Antibody Molecules," in <i>Methods in Enzymology</i> , Langone, J.J., ed., Academic Press, Inc., New York, pp. 459-477 (1989) | |
| | NPL64 | Shin, S.-U., <i>et al.</i> , "Functional and Pharmacokinetic Properties of Antibody-Avidin Fusion Proteins," <i>J. Immunol.</i> 158:4797-4804, The American Association of Immunologists (1997) | |
| | NPL65 | Springer, T.A. and Strominger, J.L., "Detergent-soluble HLA antigens contain a hydrophilic region at the COOH-terminus and a penultimate hydrophobic region," <i>Proc. Natl. Acad. Sci. USA</i> 73:2481-2485, The National Academy of Sciences (1976) | |
| | NPL66 | Steller, M.A., <i>et al.</i> , "Cell-mediated Immunological Responses in Cervical and Vaginal Cancer Patients Immunized with a Lipidated Epitope of Human Papillomavirus Type 16 E7," <i>Clin. Cancer Res.</i> 4:2103-2109, The American Association for Cancer Research (1998) | |
| | NPL67 | Takahashi, T., <i>et al.</i> , "707-AP Peptide Recognized by Human Antibody Induces Human Leukocyte Antigen A2-restricted Cytotoxic T Lymphocyte Killing of Melanoma," <i>Clin. Cancer Res.</i> 3:1363-1730, The American Association for Cancer Research (1997) | |
| | NPL68 | Takahashi, T., <i>et al.</i> , "Cytotoxic T lymphocytes that recognize decameric peptide sequences of retinoblastoma binding protein 1 (RBP-1) associated with human breast Cancer," <i>British J. Cancer</i> 81:342-349, Cancer Research Campaign (1999) | |
| | NPL69 | Tanzarella, S., <i>et al.</i> , "Identification of a Promiscuous T-Cell Epitope Encoded by Multiple Members of the <i>MAGE</i> Family," <i>Cancer Res.</i> 59:2668-2674, The American Association for Cancer Research (1999) | |
| | NPL70 | Turkewitz, A.P., <i>et al.</i> , "Large-Scale Purification of Murine I-A ^k and I-E ^k Antigens and Characterization of the Purified Proteins," <i>Mol. Immunol.</i> 20:1139-1147, Pergamon Press Ltd. (1983) | |

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| | NPL71 | Turner, M.J., <i>et al.</i> , "Purification of Papain-solubilized Histocompatibility Antigens from a Cultured Human Lymphoblastoid Line, RPMI 4265*," <i>J. Biol. Chem.</i> 250:4512-4519, The American Society of Biological Chemists, Inc. (1975) | |
| | NPL72 | Valmori, D., <i>et al.</i> , "Analysis of MAGE-3-specific Cytolytic T Lymphocytes in Human Leukocyte Antigen-A2 Melanoma Patients," <i>Cancer Res.</i> 57:735-741, The American Association for Cancer Research (1997) | |
| | NPL73 | Valmori, D., <i>et al.</i> , "Analysis of the Cytolytic T Lymphocyte Response of Melanoma Patients to the Naturally HLA-A*0201-associated Tyrosinase Peptide 368-376," <i>Cancer Res.</i> 59:4050-4055, The American Association for Cancer Research (1999) | |
| | NPL74 | Valmori, D., <i>et al.</i> , "Diversity of the Fine Specificity Displayed by HLA-A*0201-Restricted CTL Specific for the Immunodominant Melan-A/MART-1 Antigenic Peptide," <i>J. Immunol.</i> 161:6956-6962, The American Association of Immunologists (1998) | |
| | NPL75 | Wang, R.-F., <i>et al.</i> , "Recognition of an Antigenic Peptide Derived from Tyrosinase-Related Protein-2 by CTL in the Context of HLA-A31 and -A33," <i>J. Immunol.</i> 160:890-897, The American Association of Immunologists (1998) | |
| | NPL76 | Wizel, B., <i>et al.</i> , "HLA-A2-Restricted Cytotoxic T Lymphocyte Responses to Multiple <i>Plasmodium falciparum</i> Sporozoite Surface Protein 2 Epitopes in Sporozoite-Immunized Volunteers," <i>J. Immunol.</i> 155:766-775, The American Association of Immunologists (1995) | |
| | NPL77 | Wizel, B., <i>et al.</i> , "Human Infection with <i>Trypanosoma cruzi</i> Induces Parasite Antigen-Specific Cytotoxic T Lymphocyte Responses," <i>J. Clin. Invest.</i> 102:1062-1071, The American Society for Clinical Investigation, Inc. (1998) | |
| | NPL78 | Zarour, H.M., <i>et al.</i> , "Melan-A/MART-1 ₅₁₋₇₃ represents an immunogenic HLA-DR4-restricted epitope recognized by melanoma-reactive CD4 ⁺ T Cells," <i>Proc. Natl. Acad. Sci. USA</i> 97:400-405, The National Academy of Sciences (2000) | |
| | NPL79 | Zarutskie, J.A., <i>et al.</i> , "A Conformational Change in the Human Major Histocompatibility Complex Protein HLA-DR1 Induced by Peptide Binding," <i>Biochemistry</i> 38:5878-5887, American Chemical Society (1999) | |
| | NPL80 | Zhang, H.-f., <i>et al.</i> , "Targeting of functional antibody-CD59 fusion proteins to a cell surface," <i>J. Clin. Invest.</i> 103:55-61, The American Society for Clinical Investigation (1999) | |

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Application Number

10/529,221 (U.S. Nat'l Phase of
PCT/US03/30238)

I.A. Filing Date

September 26, 2003

First Named Inventor

Bruno Robert

Art Unit

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Attorney Docket Number

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NPL81

Zhu, X., *et al.*, "A recombinant single-chain human class II MHC molecule (HLA-DR1) as a covalently linked heterotrimer of α chain, β chain, and antigenic peptide, with immunogenicity *in vitro* and reduced affinity for bacterial superantigens," *Eur. J. Immunol* 27:1933-1941, Verlagsgesellschaft (1997)

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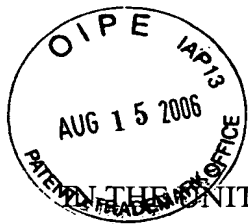
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UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

ROBERT *et al.*

Appl. No.: 10/529,221 (*U.S. Nat'l Phase
of PCT/US03/30238*)

I.A. Filed: September 26, 2003

For: **Targeted CD1d Molecules**

Confirmation No.: 2116

Art Unit: *To Be Assigned*

Examiner: *To Be Assigned*

Atty. Docket: 1843.0200001/EKS/FRC

**First Supplemental Information Disclosure Statement
Filing Under 37 C.F.R. § 1.97(b)**

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Forms PTO/SB/08A and PTO/SB/08B are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. Copies of documents **FP12-FP15** and **NPL82-NPL91** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), copies of U.S. patents and U.S. patent application publications, documents **US4-US13**, cited on the attached Form PTO/SB/08A are not submitted.

The Examiner's attention is directed to the following co-pending U.S. Patent Applications, which are directed to related technical subject matter:

Application No. 10/809,790, inventors Zauderer, M., *et al.*, filed March 26, 2004, now published as 2004/0210037 A1, cited herein as document **US12**; and

Application No. 10/887,230, inventor Zauderer, M., filed July 9, 2004, now published as 2005/0042218 A1, cited herein as document **US13**.

The identification of these U.S. Patent Applications is not to be construed as a waiver of secrecy as to those applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

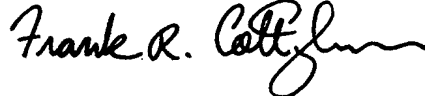
This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

It is respectfully requested that the Examiner initial and return copies of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

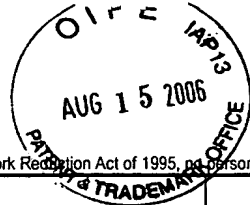


Frank R. Cottingham
Attorney for Applicants
Registration No. 50,437

Date: AUG. 15, 2006

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| | | | | I.A. Filing Date | September 26, 2003 |
| | | | | First Named Inventor | Bruno Robert |
| | | | | Art Unit | To Be Assigned |
| | | | | Examiner Name | To Be Assigned |
| Sheet | 1 | of | 1 | Attorney Docket Number | 1843.0200001/EKS/FRC |

| U.S. PATENT DOCUMENTS | | | | | |
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| | | Number-Kind Code ² (if known) | | | |
| | US4 | 6,248,564 B1 | 06/19/2001 | Walter <i>et al.</i> | |
| | US5 | 6,548,067 B1 | 04/15/2003 | Seeman <i>et al.</i> | |
| | US6 | 6,682,741 B1 | 01/27/2004 | Ribauda <i>et al.</i> | |
| | US7 | 6,881,828 B2 | 04/19/2005 | Edwards <i>et al.</i> | |
| | US8 | 2002/0051783 A1 | 05/02/2002 | Savage | |
| | US9 | 2002/0071842 A1 | 06/13/2002 | Gumperz <i>et al.</i> | |
| | US10 | 2002/0155447 A1 | 10/24/2002 | Zauderer <i>et al.</i> | |
| | US11 | 2003/0166277 A1 | 09/04/2003 | Zauderer and Smith | |
| | US12 | 2004/0210037 A1 | 10/21/2004 | Zauderer <i>et al.</i> | |
| | US13 | 2005/0042218 A1 | 02/24/2005 | Zauderer | |
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| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | FP12 | WO 94/25610 A1 | 11/10/1994 | Tykocinski | | |
| | FP13 | WO 99/64597 A1 | 12/16/1999 | The Government of the United States of America represented by The Secretary, Department of Health and Human Services | | |
| | FP14 | GB 2 339 782 A | 02/09/2000 | Savage | | |
| | FP15 | WO 04/029206 A2 | 04/08/2004 | Vaccinex, Inc. and Robert <i>et al.</i> | | |

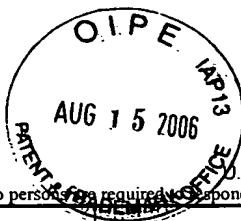
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| | NPL82 | Fayen, J., <i>et al.</i> , "Class I MHC Alpha 3 Domain Can Function as an Independent Structural Unit to Bind CD8 α ," <i>Mol. Immunol.</i> 32:267-275, Elsevier Science Ltd. (1995) | |
| | NPL83 | Glick, M., <i>et al.</i> , "Novel CD8 ⁺ T Cell Antagonists Based on β_2 -Microglobulin," <i>J. Biol. Chem.</i> 277:20840-20846, The American Society for Biochemistry and Molecular Biology, Inc. (June 2002) | |
| | NPL84 | Hebert, A.M., <i>et al.</i> , "Kinetics and Thermodynamics of β_2 -Microglobulin Binding to the α_3 Domain of Major Histocompatibility Complex Class I Heavy Chain," <i>Biochem.</i> 40:5233-5242, American Chemical Society (published online March 2001) | |
| | NPL85 | Hochman, J.H., <i>et al.</i> , "Specific Associations of Fluorescent β -2-Microglobulin with Cell Surfaces. The Affinity of Different H-2 and HLA Antigens for β -2-Microglobulin," <i>J. Immunol.</i> 140:2322-2329, The American Association of Immunologists (1988) | |
| | NPL86 | Mottez, E., <i>et al.</i> , "Cells Expressing a Major Histocompatibility Complex Class I Molecule with a Single Covalently Bound Peptide Are Highly Immunogenic," <i>J. Exp. Med.</i> 181:493-502, Rockefeller University Press (1995) | |
| | NPL87 | Parker, K.C., and Strominger, J.L., "Subunit Interactions of Class I Histocompatibility Antigens," <i>Biochem.</i> 24:5543-5550, American Chemical Society (1985) | |
| | NPL88 | Salter, R.D., <i>et al.</i> , "A binding site for the T-cell co-receptor CD8 on the α_3 domain of HLA-A2," <i>Nature</i> 345:41-46, Nature Publishing Group (1990) | |
| | NPL89 | Sidney, J., <i>et al.</i> , "Practical, biochemical and evolutionary implications of the discovery of HLA class I supermotifs," <i>Immunol. Today</i> 17:261-266, Elsevier Science Ltd. (1996) | |
| | NPL90 | Sidney, J., <i>et al.</i> , "Majority of Peptides Binding HLA-A*0201 With High Affinity Crossreact With Other A2-Supertypes Molecules," <i>Hum. Immunol.</i> 62:1200-1216, Elsevier Science Inc. (November 2001) | |
| | NPL91 | Whitman, M.C., <i>et al.</i> , "The isolated major histocompatibility complex class I α_3 domain binds β_2m and CD8 $\alpha\alpha$ dimers," <i>Mol. Immunol.</i> 37:141-149, Elsevier Science Ltd. (2000) | |

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